

<b>Course Title:</b>				<b><u>Environmental Economics</u></b>					
<b>Course Code:</b>				<b><u>SEL3351</u></b>					
<b>Course Coordinator</b>				<b><u>Dr. Meenakshi Gupta</u></b>					
<b>Credits</b>				<b><u>3-1-0</u></b>					
<b>Evaluation Scheme Total 100 Marks</b>									
<b>Quiz (Total 20 Marks)</b>				<b>Assignment/Project (Total 20 marks) (Minimum Two Assignments or one Project)</b>		<b>Mid-Term</b>	<b>Major Examination</b>	<b>Total</b>	
<b>Quiz I (5 marks)</b>	<b>Quiz II (5 marks)</b>	<b>Quiz III (5 marks)</b>	<b>Quiz IV (5 marks)</b>			<b>20 marks) (1 ½ Hour Duration)</b>	<b>(40 marks) (3 Hour Duration)</b>	<b>100 Marks</b>	
<b>WEEKS</b>				<b>TOPICS TO BE COVERED</b>					
<b>Week 1</b>				Nature and scope of environmental economics; the economy and the environment: inter-linkages					
<b>Week 2</b>				Economic efficiency					
<b>Week 3</b>				Market failures: problem of externalities					
<b>Week 4</b>				public goods and public bads; common property resources; asymmetric information; market solutions and government actions					
<b>Week 5</b>				Government Failure					
<b>Week 6</b>				Coase theorem					
<b>Week 7</b>				Policy instruments-Pigouvian taxes and subsidies, command and control verses market based instruments.					
<b>Week 8</b>				Concepts of total economic value– use values; option values and non- use values					
<b>Week 9</b>				revealed and stated preference methodologies of valuation					
<b>Week 10</b>				Methods based on observed market behavior: Market price method and productivity method of environmental valuation					
<b>Week 11 (17<sup>th</sup> -21<sup>st</sup> March 2025)</b>				Mid-Term					
<b>2<sup>nd</sup> April, 2025</b>				Showing of Mid-Term Answer Sheets					
<b>Week 12</b>				Travel Cost Method and Hedonic pricing method					

<b>Week 13</b>	Contingent valuation methods, contingent choice methods, Benefit transfer method
<b>Week 14</b>	Global Environmental Issues Economics of pollution: damage functions and abatement cost functions; marginal decisions; optimal level of pollution
<b>Week 15</b>	trans boundary pollution, economics of global warming, impact of trade on environment and environment on trade
<b>Week 16</b>	Porter's hypothesis, Pollution havens hypothesis Case studies
<b>Week 17 (5<sup>th</sup> -9<sup>th</sup> May 2025)</b>	Revision Week
<b>Week 18 (13<sup>th</sup> – 22<sup>nd</sup> May 2025)</b>	Major Examinations
<b>29<sup>th</sup> May 2025</b>	Showing of Major Exams Answer Sheets

#### Course Outcomes:

1. Evaluate the economic roots of environmental problems.
2. Formulate environmental problems using economic theory.
3. Understand the economic valuations of environmental resources
4. Understand the current mechanism and the inherent economic interpretation of the pollution control measures at the national as well as at the global level.

#### Recommended Books:

1. Kolstad, C. Environmental Economics, Oxford University Press (Latest Edition).
2. Baumol, W.J, and Oates W.E. The Theory of Environmental Policy, Cambridge University Press (Latest Edition).
3. Freeman, A. M. The Measurement of Environmental and Resource Values, Resources for the Future (Latest Edition).
4. Hanley, N., J.F.Shogren, and White, B. Environmental Economics: In Theory and Practice, Macmillan India Ltd. (Latest Edition).
5. Seneca J.J. and Taussig M K. Environmental Economics (Latest Edition)
6. Abelson P. Cost Benefit Analysis and Environmental Problems, (Latest Edition).

**Calendar of Quizzes/Assignment etc. to be provided as per below details and exact dates to be fixed in consultation with other course coordinators to avoid overlap of Quizzes of different courses.**

<b>Component</b>	<b>Date</b>
<b>Quiz-I</b>	<b>27<sup>th</sup> -31<sup>st</sup>, January 2025</b>
<b>Quiz-II</b>	<b>24<sup>th</sup> -28<sup>th</sup> February, 2025</b>
<b>Assignment-I</b>	<b>10<sup>th</sup> -12<sup>th</sup> February, 2025</b>

<b>Mid-Term</b>	<b>17-21<sup>st</sup> March, 2025</b>
<b>Assignment-II/ Project Submission</b>	<b>21<sup>st</sup> – 24<sup>th</sup> April, 2025</b>
<b>Quiz-III</b>	<b>7<sup>th</sup> – 11<sup>th</sup> April, 2025</b>
<b>Quiz-IV</b>	<b>28<sup>th</sup> April-2nd, May, 2025</b>
<b>Major Exam</b>	<b>13<sup>th</sup> – 22<sup>nd</sup> May, 2025</b>

**Note:**

- 1. One surprise Quiz may be fixed out of Quiz-II, Quiz-III or Quiz-IV.**
- 2. In case of any deviation in evaluation methodology for courses such as AEC/VAC/SEC shall be mentioned accordingly. Thus, same shall be approved by the next BOS of school if not done earlier.**

**Signature of Course Coordinator :**